

Abstract

The present invention relates to membranes and to a process for making them.

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The membranes according to the invention comprise a sheetlike flexible substrate having a multiplicity of openings and having a coating on and in said substrate, the material of said substrate being selected from nonwovens of polymeric fibers, said nonwovens having a porosity of more than 50% and said coating being a porous ceramic coating, said substrate preferably being from 10 to 200 μm in thickness. Such membranes provide a distinctly higher flux than conventional membranes.

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The membranes are useful as separators for batteries or as a microfiltration membrane.